WHAT IS CLAIMED IS:

1. An automatic notification and remote access method for diagnosing real-time in vivo images from a location remote from one or more in vivo video camera systems, comprising the steps of:

    a) capturing multiple sets of real-time in vivo images using the one or more in vivo video camera systems;

    b) forming an in vivo video camera system examination bundlette of a patient that includes the real-time captured in vivo images for each of the one or more in vivo video camera systems;

    c) processing the examination bundlette;

    d) automatically detecting one or more abnormalities in the examination bundlette based on predetermined criteria for the patient;

    e) signaling an alarm provided that the one or more abnormalities in the examination bundlette have been detected;

    f) receiving an automatic notification via one or more unscheduled alarming messages from one or more randomly located in vivo video camera systems;

    g) routing the automatic notification to remote recipient(s); and

    h) executing one or more diagnosing tasks corresponding to the automatic notification.

2. The method claimed in claim 1, wherein the unscheduled alarming messages correspond to a detection of an abnormality found in the patient's GI tract.

3. The method claimed in claim 1, wherein the automatic notification includes patient metadata describing the patient's medical history and location.

4. The method claimed in claim 1, wherein the one or more randomly located in vivo video camera systems are located in different geographic regions of a country and/or a continent.

5   5. The method claimed in claim 1, wherein the step of routing the automatic notification to the remote recipient(s), further comprises the steps of:

G1) providing a communication channel to the remote recipient(s); and

g2) providing the remote recipient(s) with the automatic notification of a detected GI tract abnormality.

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6. The method claimed in claim 1, wherein the unscheduled alarming messages operate within a two-way messaging system.

7. The method claimed in claim 1, wherein the remote recipient

15   receives messages by utilizing a two-way messaging system.

8. The method claimed in claim 1, wherein the remote access is accomplished by a communications network for retrieving and/or sending the patient's in vivo images from multiple locations either inside or outside of a

20   clinical environment.

9. The method claimed in claim 1, wherein the step of forming the examination bundlette, includes the steps of:

25   b1) forming an image packet of the captured in vivo images of the patient;

b2) forming patient metadata; and

b3) combining the image packet and the patient metadata into the examination bundlette.

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10. The method claimed in claim 1, wherein the step of processing the examination bundlette, includes the steps of:

b1) separating the in vivo images from the examination bundlette; and

5 b2) processing the in vivo images according to selected image processing methods.